## Message

Pierard, Kevin [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP From:

(FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=CBB681854E4E41C99B312C5516884D5F-KPIERARD]

Sent: 2/23/2017 9:42:57 PM

Melgin, Wendy [melgin.wendy@epa.gov] To:

Subject: FW: Water Flowpath analysis from Minntac to surface waters

Attachments: 2017-02-23 GLIFWC Minntac-Pathlines-memo.pdf

## enjoy

----Original Message----From: john.coleman [mailto:jcoleman@glifwc.org] Sent: Thursday, February 23, 2017 2:05 PM
To: Smith, Erik (MPCA) <Erik.Smith@state.mn.us>

Cc: Pierard, Kevin <pierard.kevin@epa.gov>; Korleski, Christopher <korleski.christopher@epa.gov>; Cummins, Constance <ccummins@fs.fed.us>; nancyschuldt@fdlrez.com; Jonathan Gilbert <jgilbert@glifwc.org>;

Ann McCammon\_Soltis <amsoltis@glifwc.org>

Subject: Water Flowpath analysis from Minntac to surface waters

Attached is a technical memo re: flowpath analysis from the east berm and the eastern half of the north berm of the Minntac tailings basin. It looks at flowpaths of basin water through the berm to receiving surface waters. I hope it is useful in revision of the Minntac draft NPDES permit. thanks,

john

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